

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110423\
 Data File : BM042588.D
 Acq On : 04 Nov 2023 13:06
 Operator : MA/JU
 Sample : 05237-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 11TH-ST-1

Quant Time: Nov 06 01:43:53 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 03 15:52:20 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

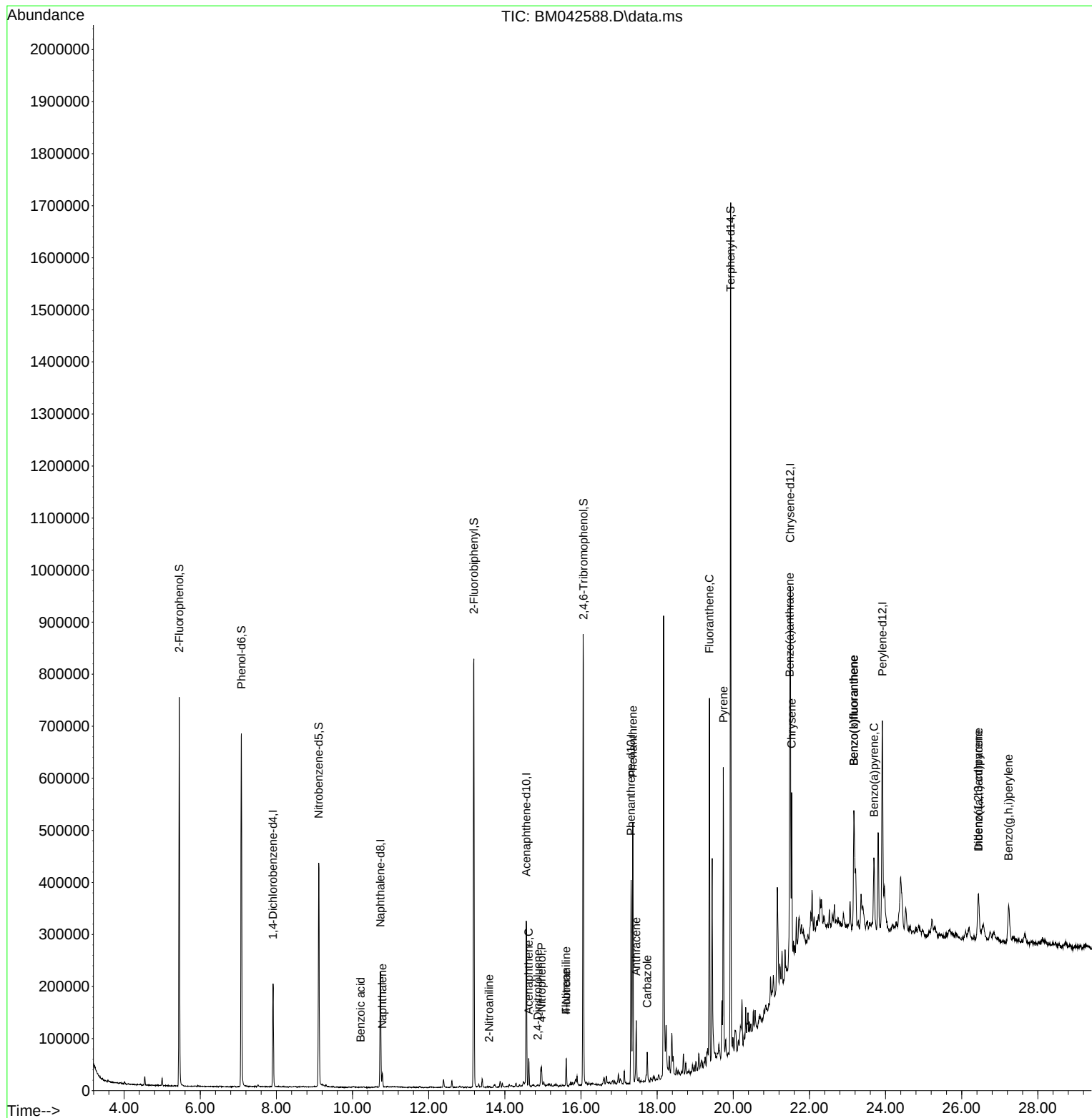
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.910	152	45286	20.000	ng	0.00
21) Naphthalene-d8	10.734	136	160932	20.000	ng	0.00
39) Acenaphthene-d10	14.563	164	95546	20.000	ng	0.00
64) Phenanthrene-d10	17.316	188	212800	20.000	ng	0.00
76) Chrysene-d12	21.498	240	264229	20.000	ng	0.00
86) Perylene-d12	23.915	264	297956	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	263157	93.783	ng	0.00
7) Phenol-d6	7.081	99	325429	84.563	ng	0.00
23) Nitrobenzene-d5	9.110	82	228335	66.141	ng	0.00
42) 2,4,6-Tribromophenol	16.063	330	130656	104.740	ng	0.00
45) 2-Fluorobiphenyl	13.186	172	384495	54.149	ng	0.00
79) Terphenyl-d14	19.933	244	706768	45.355	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.781	128	17501	2.105	ng	98
32) Benzoic acid	10.210	122	64	4.142	ng	# 40
48) 2-Nitroaniline	13.586	65	54	4.373	ng	# 13
52) Acenaphthene	14.628	154	16735	3.107	ng	97
56) 4-Nitrophenol	14.963	139	6599	11.459	ng	# 1
57) 2,4-Dinitrotoluene	14.863	165	125	4.023	ng	# 5
58) Fluorene	15.610	166	22557	3.184	ng	92
62) 4-Nitroaniline	15.610	138	248	5.887	ng	# 12
71) Phenanthrene	17.363	178	278182	25.015	ng	100
72) Anthracene	17.451	178	62908	5.711	ng	98
73) Carbazole	17.739	167	32320	3.607	ng	# 96
75) Fluoranthene	19.374	202	380707	29.143	ng	98
78) Pyrene	19.739	202	314225	17.319	ng	99
81) Benzo(a)anthracene	21.480	228	201187	11.967	ng	99
83) Chrysene	21.533	228	170445	9.981	ng	98
87) Indeno(1,2,3-cd)pyrene	26.433	276	82439	4.649	ng	# 91
88) Benzo(b)fluoranthene	23.168	252	203029	12.231	ng	98
89) Benzo(k)fluoranthene	23.168	252	203029	10.976	ng	97
90) Benzo(a)pyrene	23.698	252	87910	5.379	ng	98
91) Dibenzo(a,h)anthracene	26.444	278	23926	5.473	ng	# 81
92) Benzo(g,h,i)perylene	27.233	276	74534	4.769	ng	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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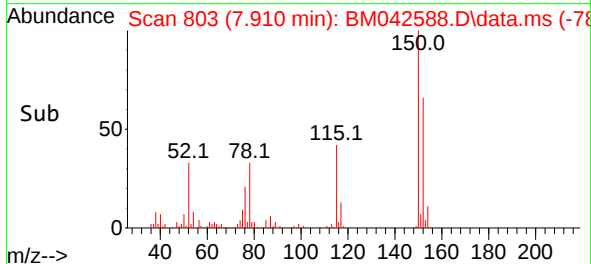
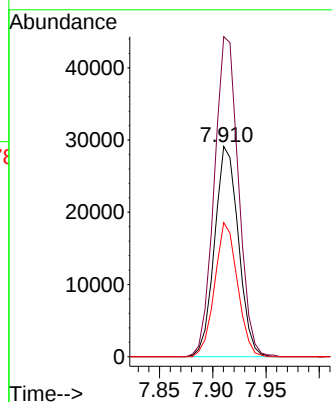
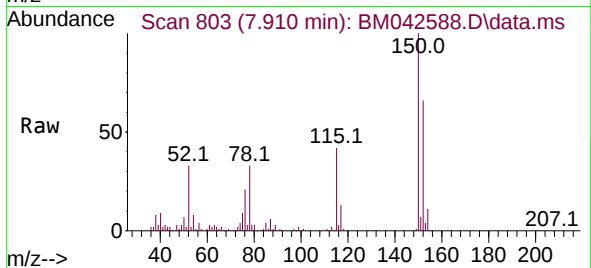




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.910 min Scan# 806
Delta R.T. 0.000 min
Lab File: BM042588.D
Acq: 04 Nov 2023 13:06

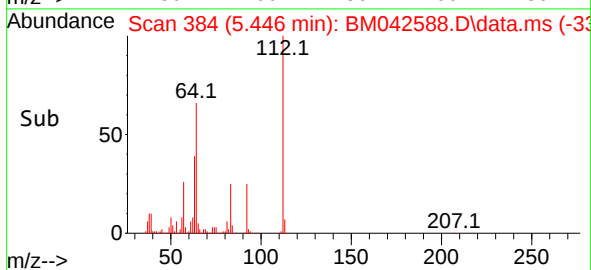
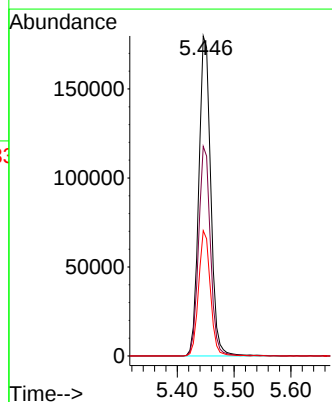
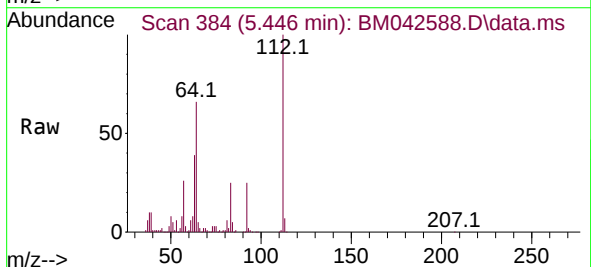
Instrument :
BNA_M
ClientSampleId :
11TH-ST-1

Tgt Ion:152 Resp: 45286
Ion Ratio Lower Upper
152 100
150 152.2 127.4 191.0
115 63.8 47.9 71.9



#5
2-Fluorophenol
Concen: 93.783 ng
RT: 5.446 min Scan# 384
Delta R.T. 0.006 min
Lab File: BM042588.D
Acq: 04 Nov 2023 13:06

Tgt Ion:112 Resp: 263157
Ion Ratio Lower Upper
112 100
64 65.5 52.1 78.1
63 39.1 28.3 42.5

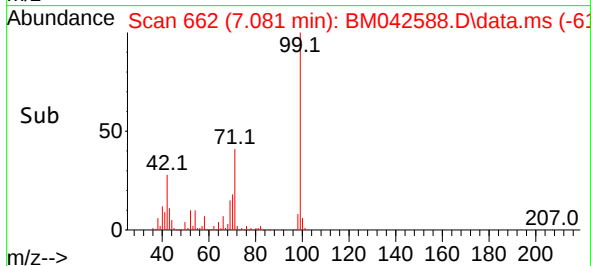
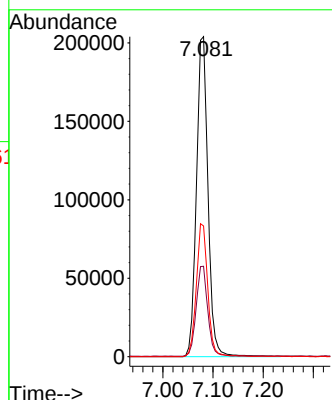
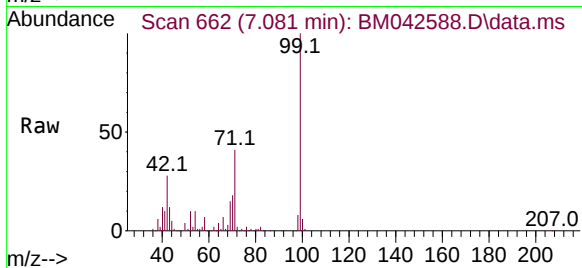




#7
Phenol-d6
Concen: 84.563 ng
RT: 7.081 min Scan# 60
Delta R.T. 0.006 min
Lab File: BM042588.D
Acq: 04 Nov 2023 13:06

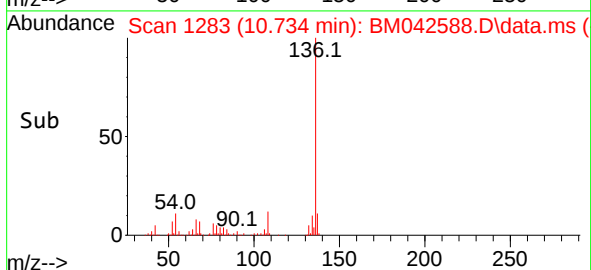
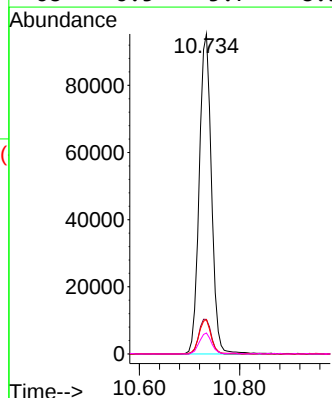
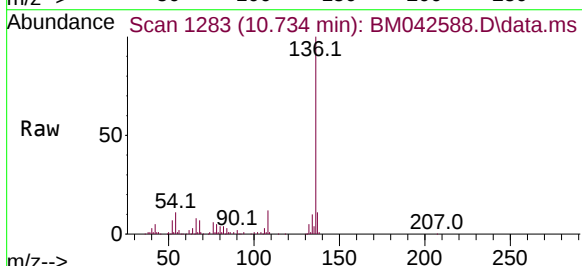
Instrument :
BNA_M
ClientSampleId :
11TH-ST-1

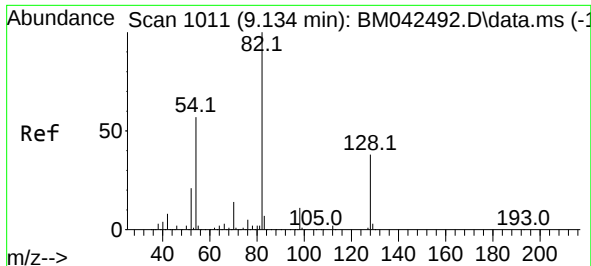
Tgt Ion: 99 Resp: 325429
Ion Ratio Lower Upper
99 100
42 28.2 18.7 28.1#
71 40.9 29.1 43.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.734 min Scan# 1283
Delta R.T. 0.006 min
Lab File: BM042588.D
Acq: 04 Nov 2023 13:06

Tgt Ion: 136 Resp: 160932
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.6
54 10.7 8.0 12.0
68 6.5 5.7 8.5

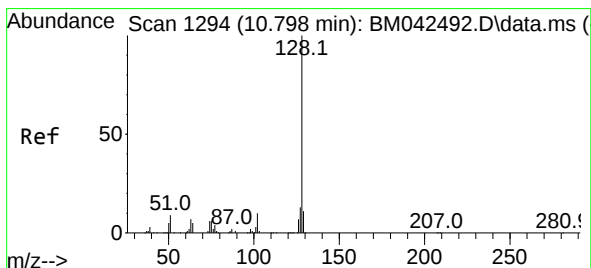
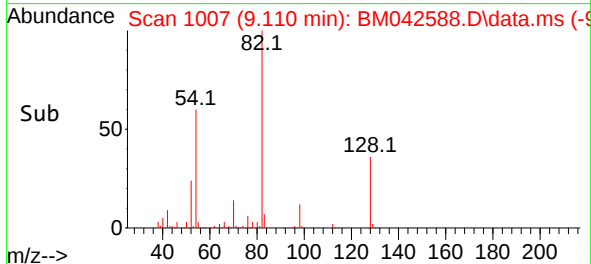
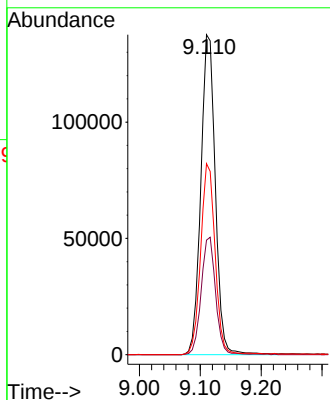
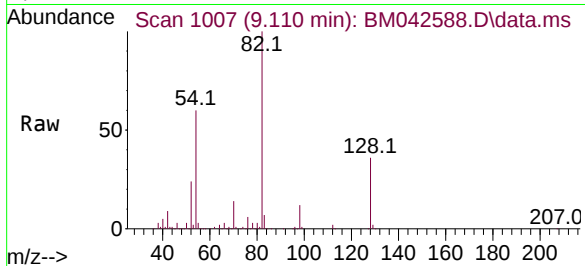




#23
Nitrobenzene-d5
Concen: 66.141 ng
RT: 9.110 min Scan# 1011
Delta R.T. -0.000 min
Lab File: BM042588.D
Acq: 04 Nov 2023 13:06

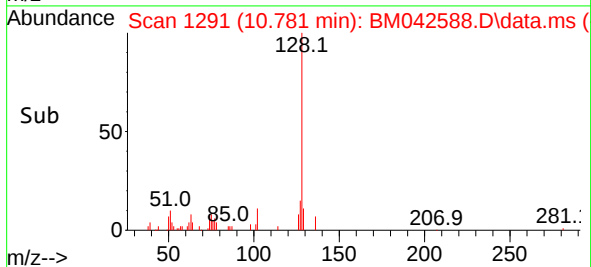
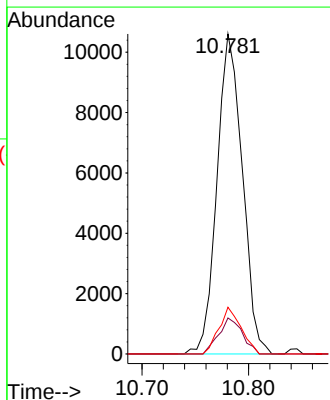
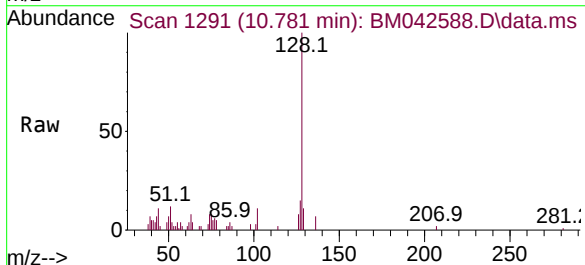
Instrument :
BNA_M
ClientSampleId :
11TH-ST-1

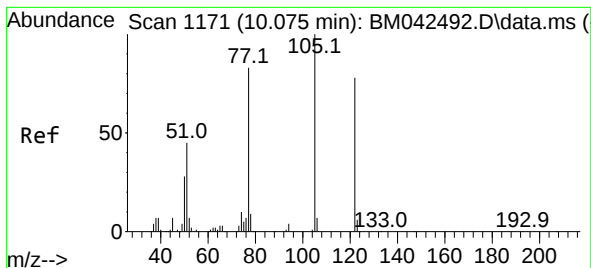
Tgt Ion: 82 Resp: 228335
Ion Ratio Lower Upper
82 100
128 35.8 30.7 46.1
54 59.7 45.3 67.9



#31
Naphthalene
Concen: 2.105 ng
RT: 10.781 min Scan# 1291
Delta R.T. -0.000 min
Lab File: BM042588.D
Acq: 04 Nov 2023 13:06

Tgt Ion: 128 Resp: 17501
Ion Ratio Lower Upper
128 100
129 11.3 8.8 13.2
127 14.6 10.6 15.8





#32

Benzoic acid

Concen: 4.142 ng

RT: 10.210 min Scan# 1171

Delta R.T. 0.159 min

Lab File: BM042588.D

Acq: 04 Nov 2023 13:06

Instrument :

BNA_M

ClientSampleId :

11TH-ST-1

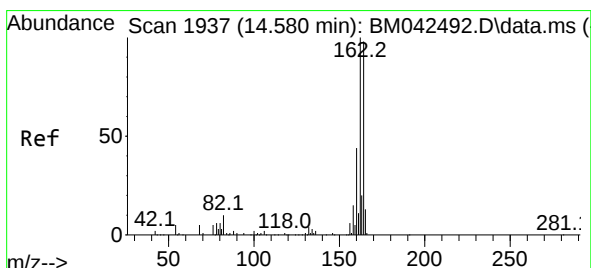
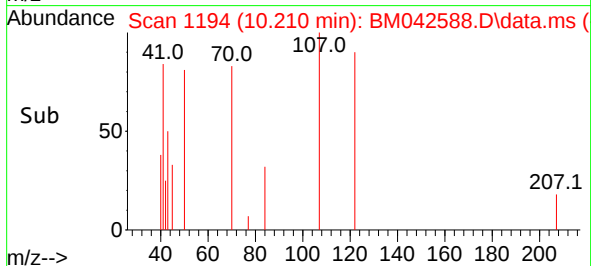
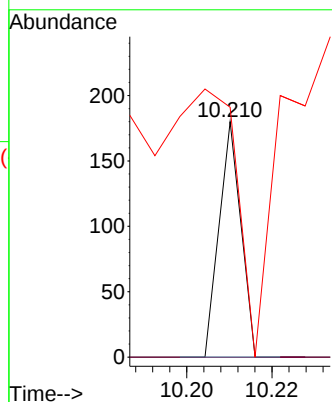
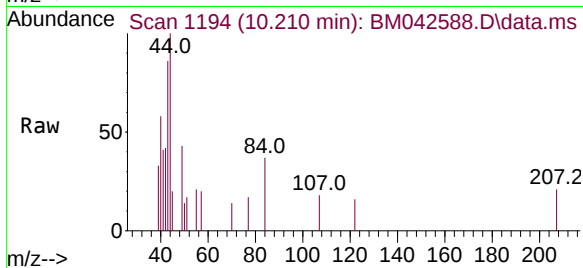
Tgt Ion:122 Resp: 64

Ion Ratio Lower Upper

122 100

105 0.0 105.2 145.2#

77 106.1 84.8 124.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.563 min Scan# 1934

Delta R.T. -0.000 min

Lab File: BM042588.D

Acq: 04 Nov 2023 13:06

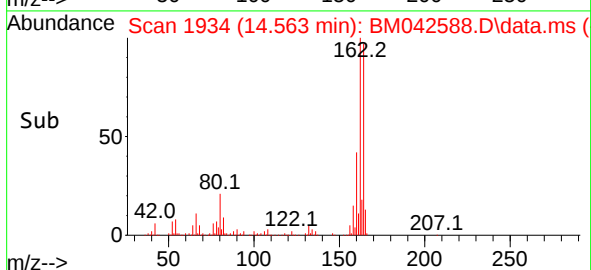
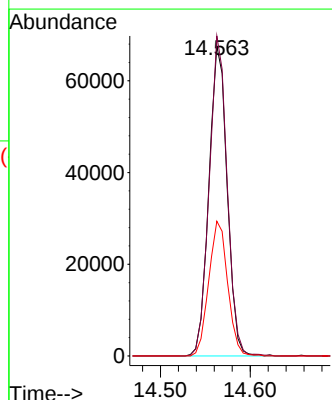
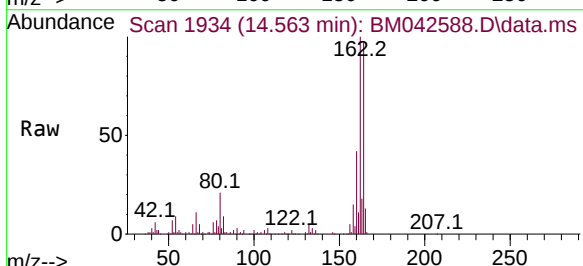
Tgt Ion:164 Resp: 95546

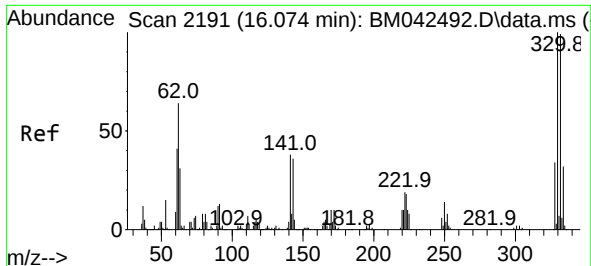
Ion Ratio Lower Upper

164 100

162 103.3 81.6 122.4

160 43.5 36.2 54.4

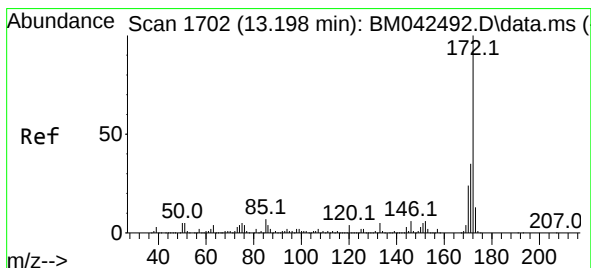
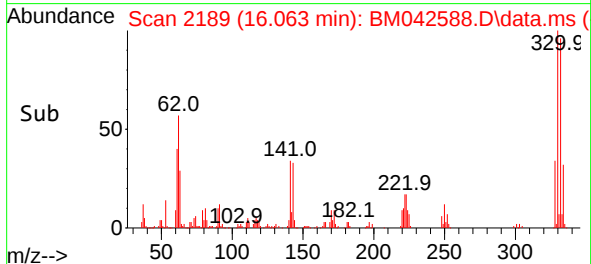
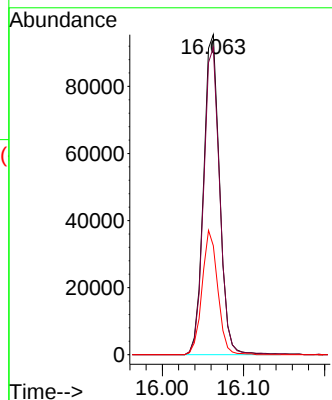
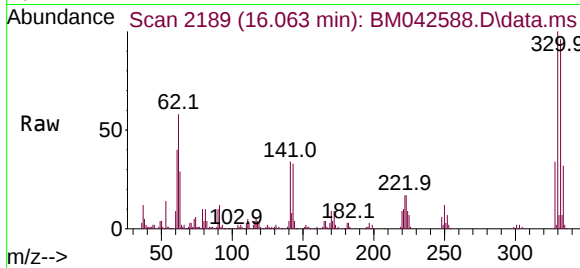




#42
2,4,6-Tribromophenol
Concen: 104.740 ng
RT: 16.063 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM042588.D
Acq: 04 Nov 2023 13:06

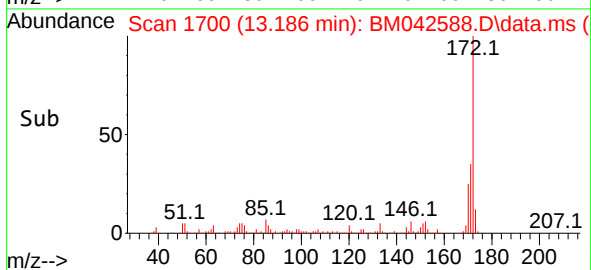
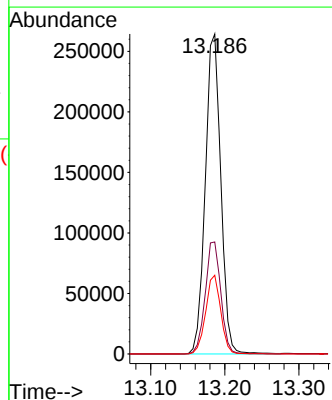
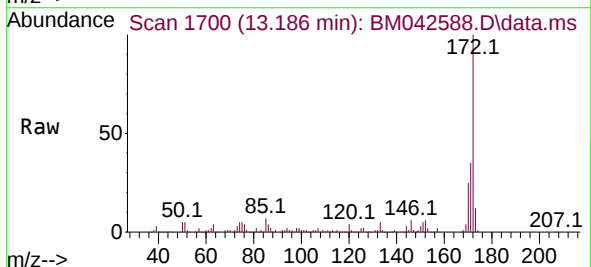
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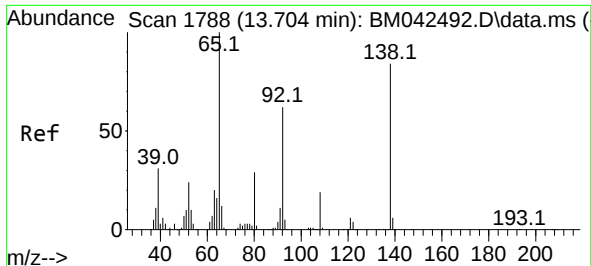
Tgt Ion:330 Resp: 130656
Ion Ratio Lower Upper
330 100
332 96.6 78.8 118.2
141 37.9 31.1 46.7



#45
2-Fluorobiphenyl
Concen: 54.149 ng
RT: 13.186 min Scan# 1700
Delta R.T. -0.000 min
Lab File: BM042588.D
Acq: 04 Nov 2023 13:06

Tgt Ion:172 Resp: 384495
Ion Ratio Lower Upper
172 100
171 35.0 28.2 42.2
170 24.6 19.0 28.4

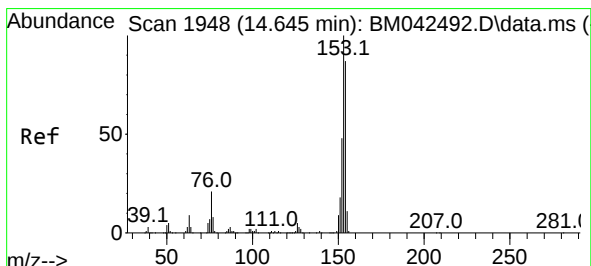
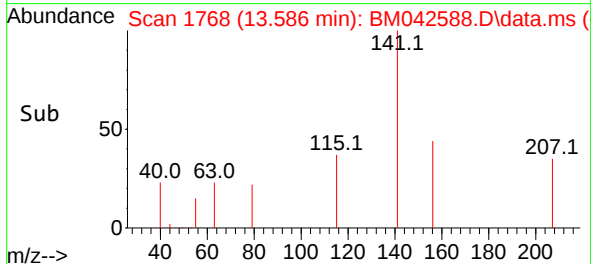
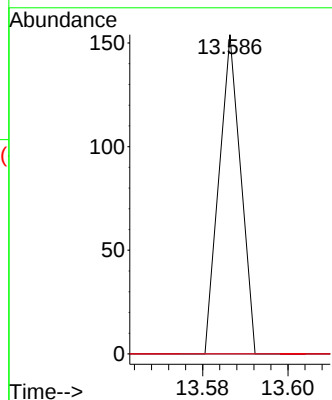
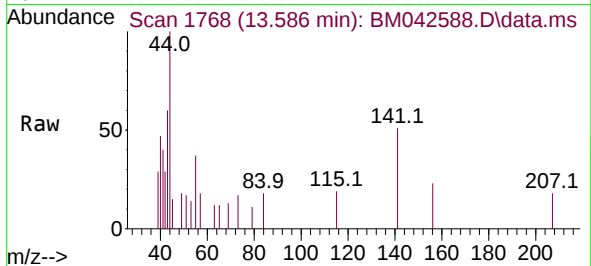




#48
2-Nitroaniline
Concen: 4.373 ng
RT: 13.586 min Scan# 11
Delta R.T. -0.106 min
Lab File: BM042588.D
Acq: 04 Nov 2023 13:06

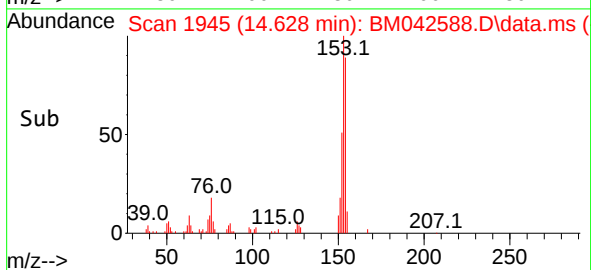
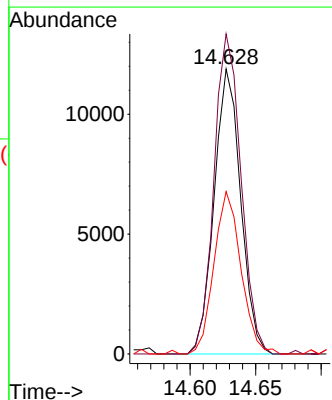
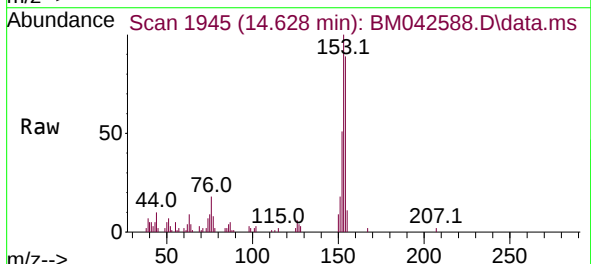
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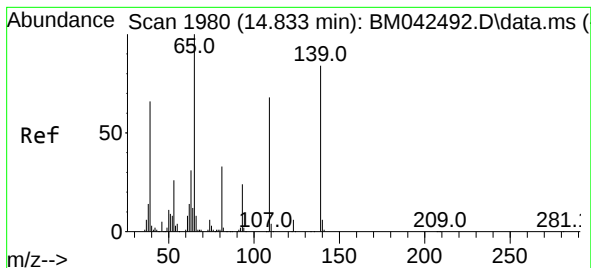
Tgt Ion: 65 Resp: 54
Ion Ratio Lower Upper
65 100
92 0.0 49.4 74.2#
138 0.0 66.9 100.3#



#52
Acenaphthene
Concen: 3.107 ng
RT: 14.628 min Scan# 1945
Delta R.T. -0.006 min
Lab File: BM042588.D
Acq: 04 Nov 2023 13:06

Tgt Ion: 154 Resp: 16735
Ion Ratio Lower Upper
154 100
153 112.3 92.0 138.0
152 57.0 44.0 66.0

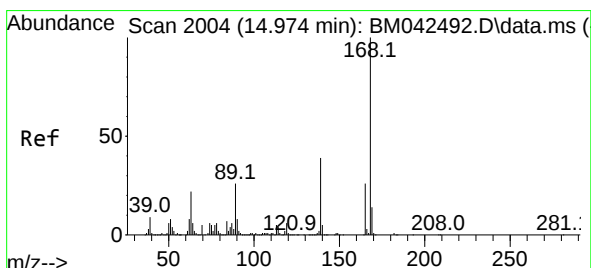
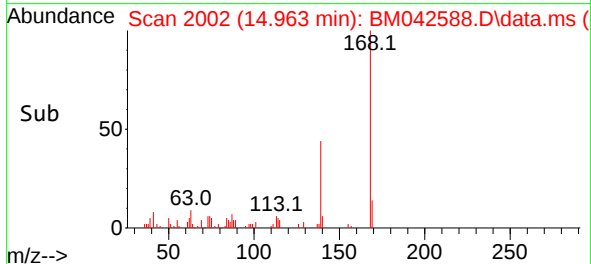
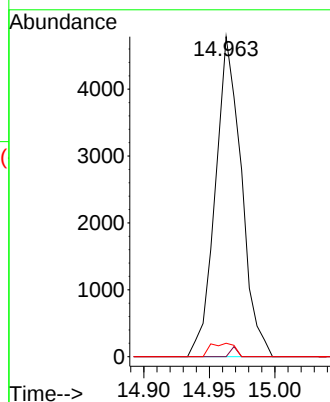
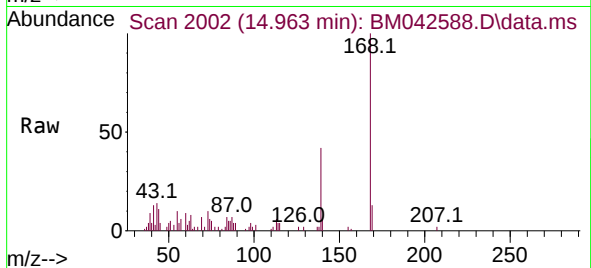




#56
4-Nitrophenol
Concen: 11.459 ng
RT: 14.963 min Scan# 20
Delta R.T. 0.141 min
Lab File: BM042588.D
Acq: 04 Nov 2023 13:06

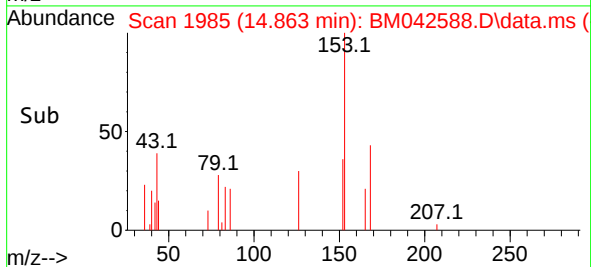
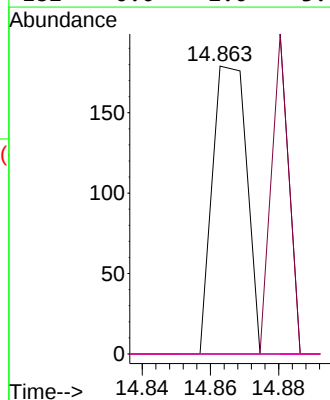
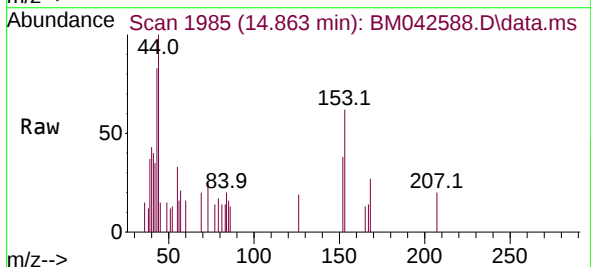
Instrument :
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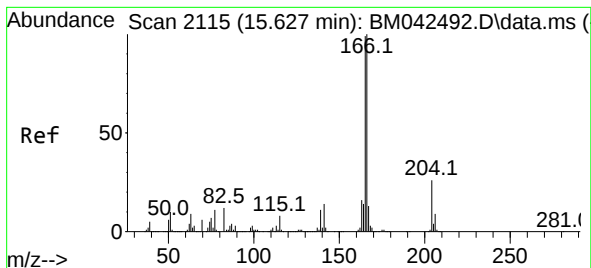
Tgt Ion:139 Resp: 6599
Ion Ratio Lower Upper
139 100
109 0.0 61.3 101.3#
65 4.2 100.2 140.2#



#57
2,4-Dinitrotoluene
Concen: 4.023 ng
RT: 14.863 min Scan# 1985
Delta R.T. -0.100 min
Lab File: BM042588.D
Acq: 04 Nov 2023 13:06

Tgt Ion:165 Resp: 125
Ion Ratio Lower Upper
165 100
63 0.0 66.7 100.1#
89 0.0 80.2 120.4#
182 0.0 2.0 3.0#





#58

Fluorene

Concen: 3.184 ng

RT: 15.610 min Scan# 2112

Delta R.T. -0.006 min

Lab File: BM042588.D

Acq: 04 Nov 2023 13:06

Instrument :

BNA_M

ClientSampleId :

11TH-ST-1

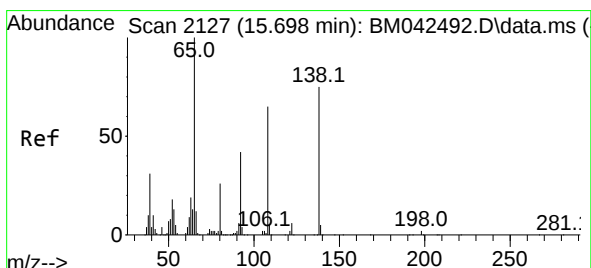
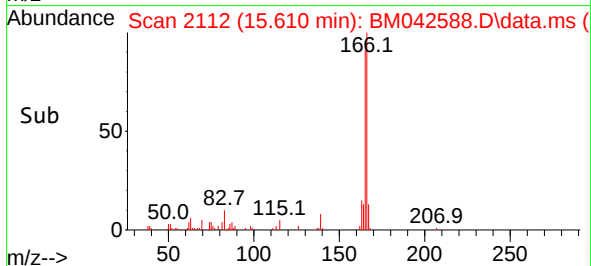
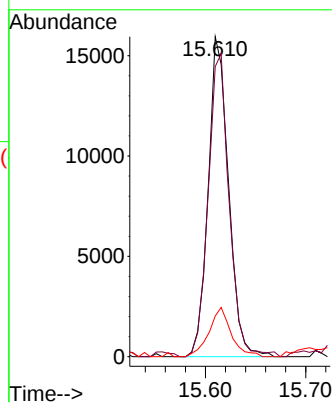
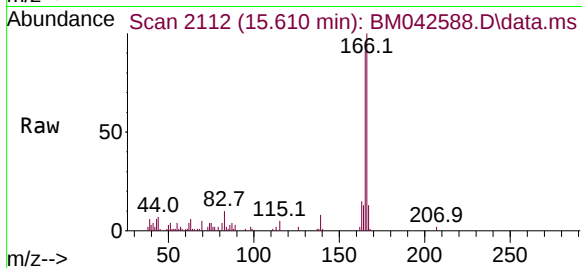
Tgt Ion:166 Resp: 22557

Ion Ratio Lower Upper

166 100

165 90.7 79.3 118.9

167 12.7 10.5 15.7



#62

4-Nitroaniline

Concen: 5.887 ng

RT: 15.610 min Scan# 2112

Delta R.T. -0.077 min

Lab File: BM042588.D

Acq: 04 Nov 2023 13:06

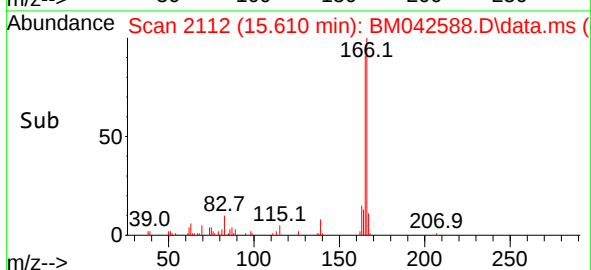
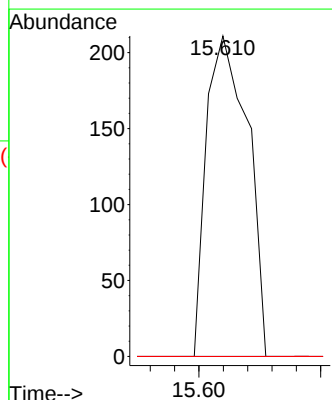
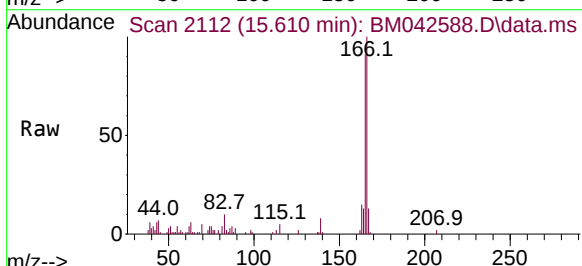
Tgt Ion:138 Resp: 248

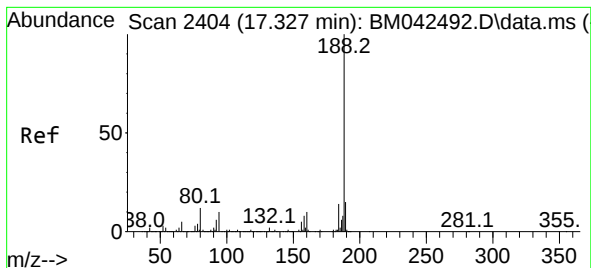
Ion Ratio Lower Upper

138 100

92 0.0 37.0 77.0#

108 0.0 67.2 107.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.316 min Scan# 24

Delta R.T. -0.000 min

Lab File: BM042588.D

Acq: 04 Nov 2023 13:06

Instrument :

BNA_M

ClientSampleId :

11TH-ST-1

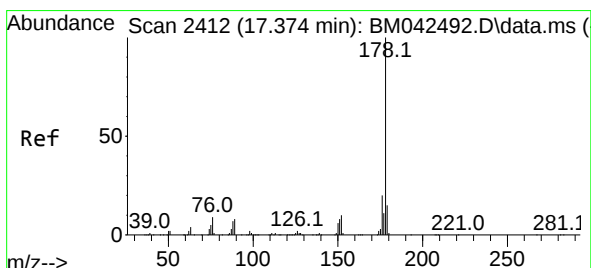
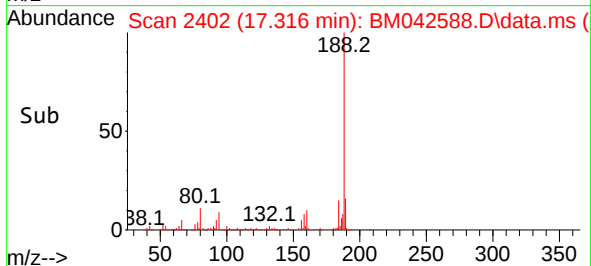
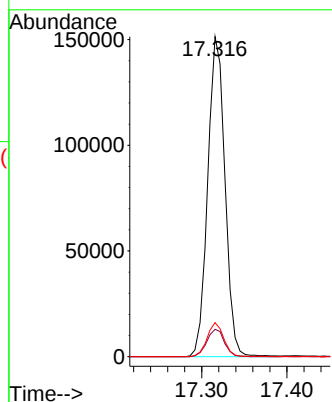
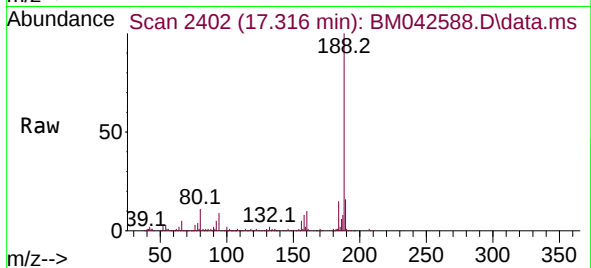
Tgt Ion:188 Resp: 212800

Ion Ratio Lower Upper

188 100

94 8.6 8.2 12.4

80 10.6 9.4 14.2



#71

Phenanthrene

Concen: 25.015 ng

RT: 17.363 min Scan# 2410

Delta R.T. -0.000 min

Lab File: BM042588.D

Acq: 04 Nov 2023 13:06

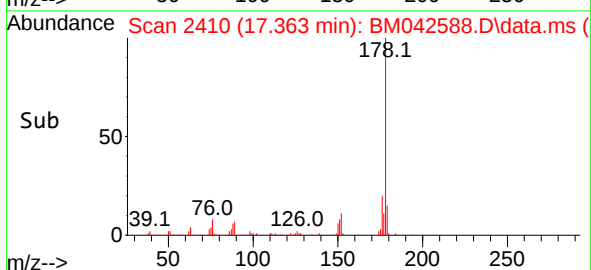
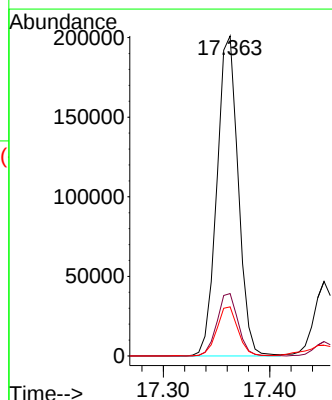
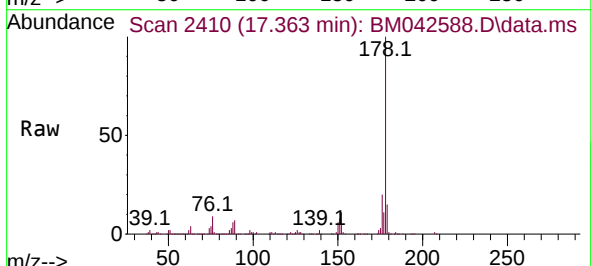
Tgt Ion:178 Resp: 278182

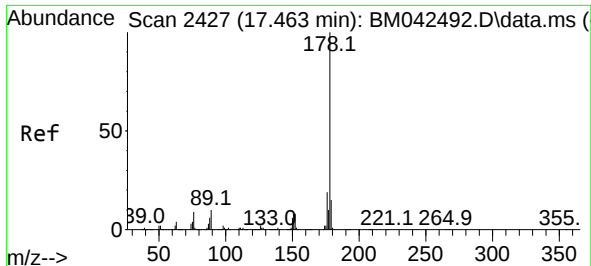
Ion Ratio Lower Upper

178 100

176 19.5 15.8 23.8

179 15.3 12.2 18.4

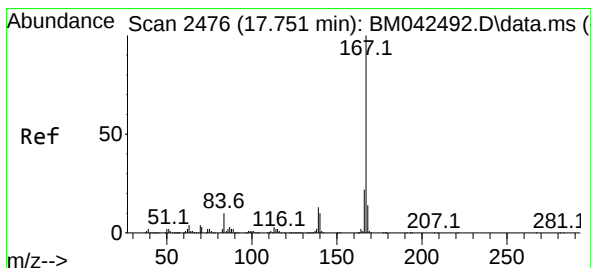
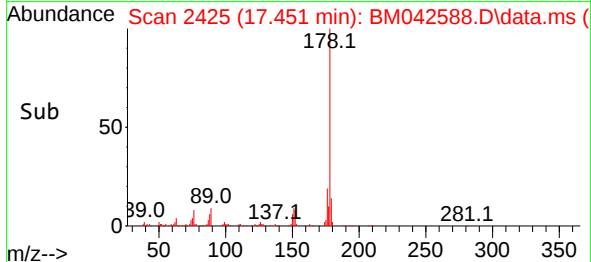
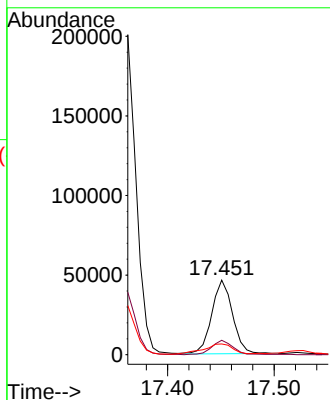
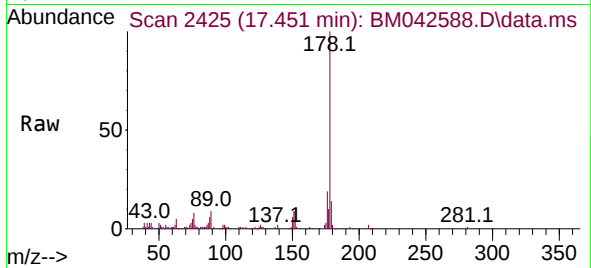




#72
 Anthracene
 Concen: 5.711 ng
 RT: 17.451 min Scan# 2427
 Delta R.T. -0.000 min
 Lab File: BM042588.D
 Acq: 04 Nov 2023 13:06

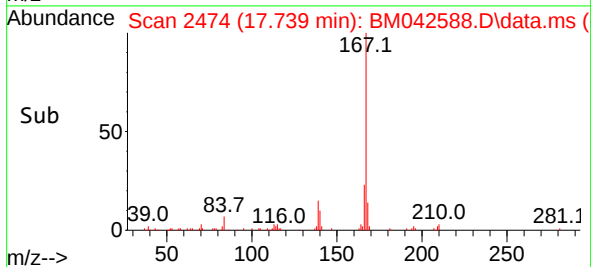
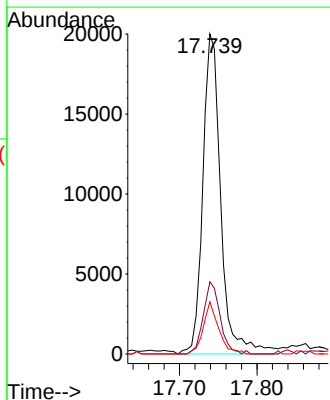
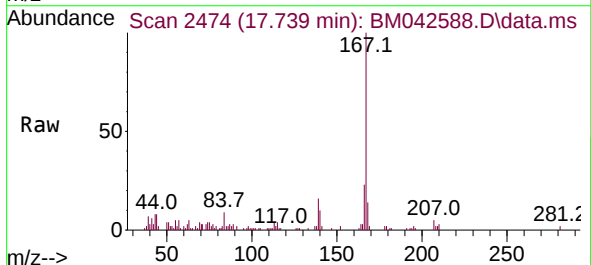
Instrument :
 BNA_M
 ClientSampleId :
 11TH-ST-1

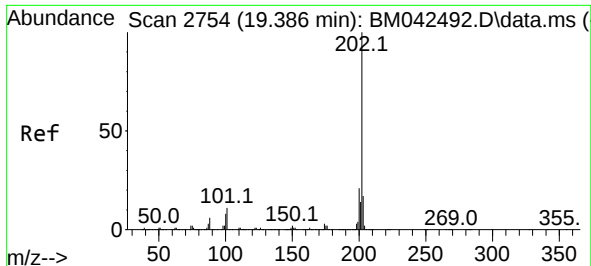
Tgt Ion:178 Resp: 62908
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.2 22.8
 179 14.3 12.3 18.5



#73
 Carbazole
 Concen: 3.607 ng
 RT: 17.739 min Scan# 2474
 Delta R.T. -0.000 min
 Lab File: BM042588.D
 Acq: 04 Nov 2023 13:06

Tgt Ion:167 Resp: 32320
 Ion Ratio Lower Upper
 167 100
 166 22.6 17.4 26.2
 139 16.3 10.5 15.7#

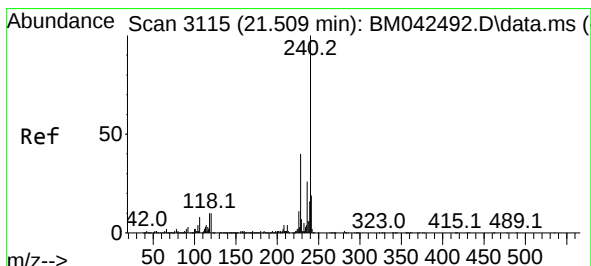
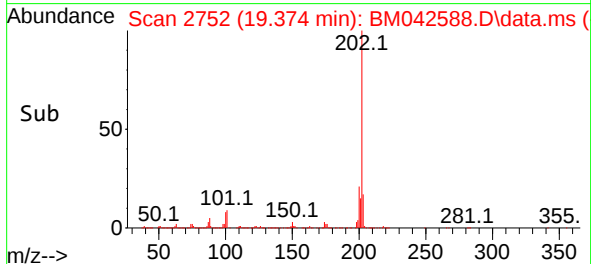
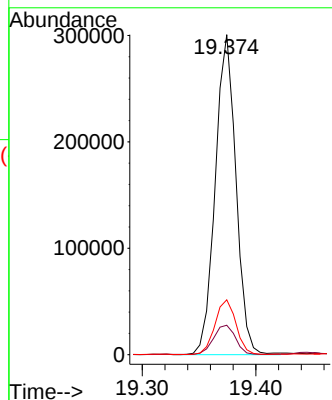
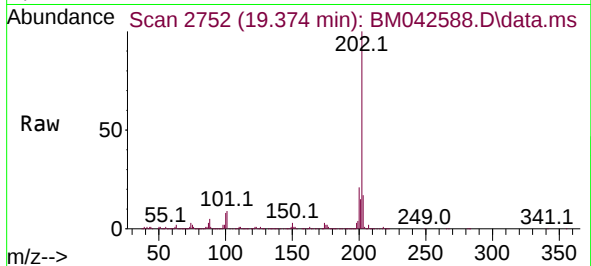




#75
Fluoranthene
Concen: 29.143 ng
RT: 19.374 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM042588.D
Acq: 04 Nov 2023 13:06

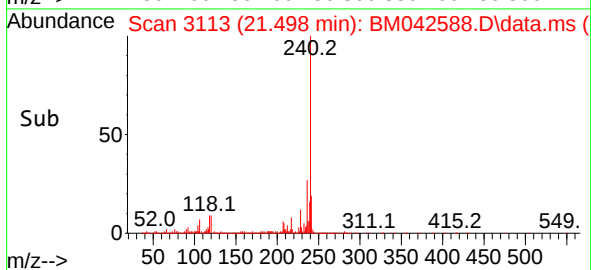
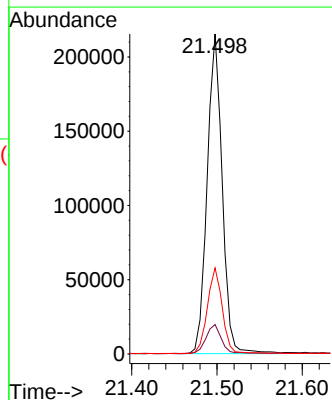
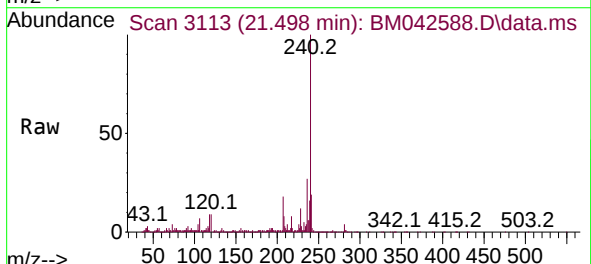
Instrument :
BNA_M
ClientSampleId :
11TH-ST-1

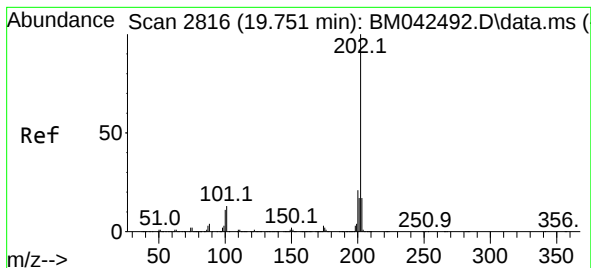
Tgt Ion:202 Resp: 380707
Ion Ratio Lower Upper
202 100
101 9.2 0.0 30.5
203 17.2 0.0 37.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.498 min Scan# 3113
Delta R.T. -0.006 min
Lab File: BM042588.D
Acq: 04 Nov 2023 13:06

Tgt Ion:240 Resp: 264229
Ion Ratio Lower Upper
240 100
120 9.2 8.3 12.5
236 26.9 20.8 31.2





#78

Pyrene

Concen: 17.319 ng

RT: 19.739 min Scan# 2814

Delta R.T. -0.000 min

Lab File: BM042588.D

Acq: 04 Nov 2023 13:06

Instrument :

BNA_M

ClientSampleId :

11TH-ST-1

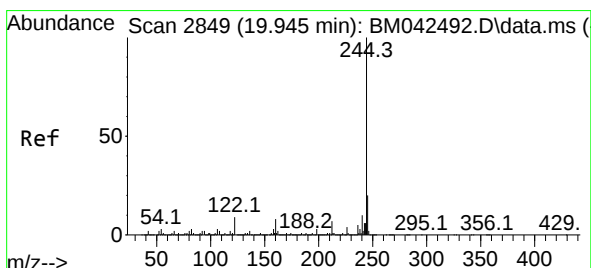
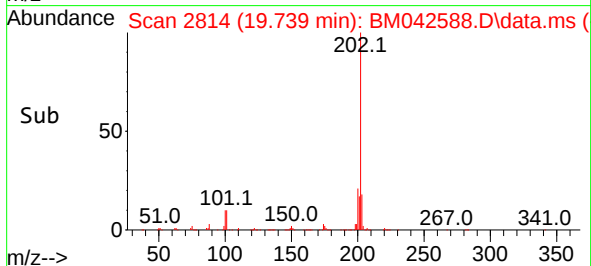
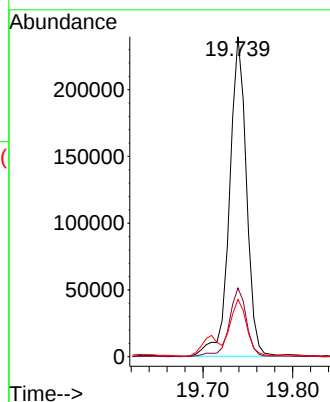
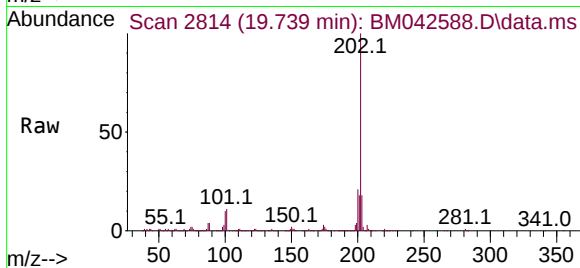
Tgt Ion:202 Resp: 314225

Ion Ratio Lower Upper

202 100

200 21.5 16.9 25.3

203 17.9 13.7 20.5



#79

Terphenyl-d14

Concen: 45.355 ng

RT: 19.933 min Scan# 2847

Delta R.T. -0.000 min

Lab File: BM042588.D

Acq: 04 Nov 2023 13:06

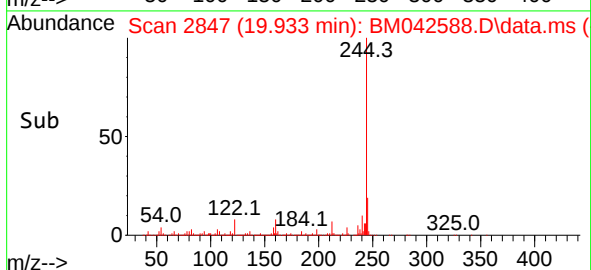
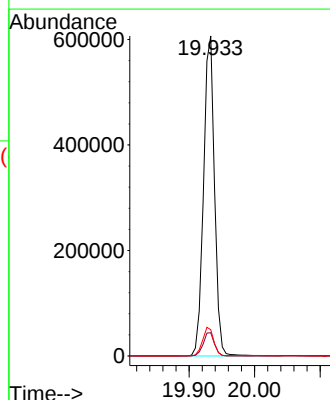
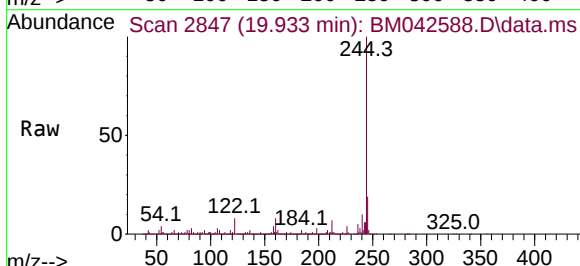
Tgt Ion:244 Resp: 706768

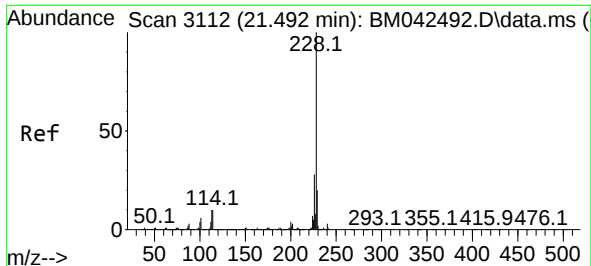
Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.2

122 8.2 7.2 10.8

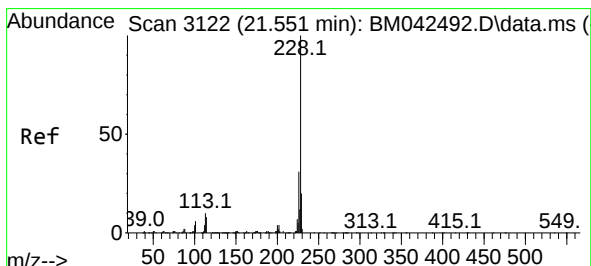
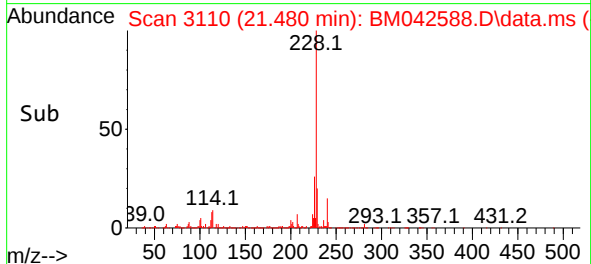
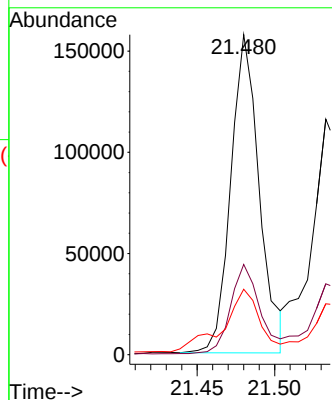
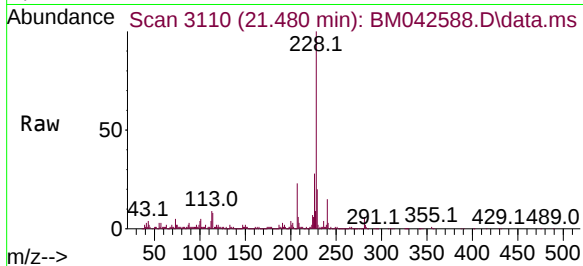




#81
Benzo(a)anthracene
Concen: 11.967 ng
RT: 21.480 min Scan# 3112
Delta R.T. -0.006 min
Lab File: BM042588.D
Acq: 04 Nov 2023 13:06

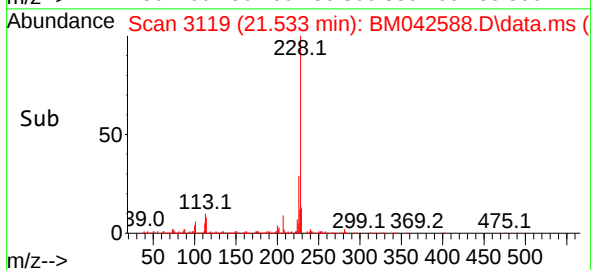
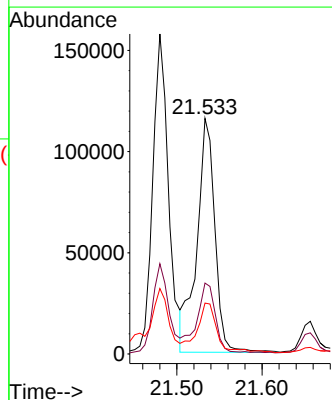
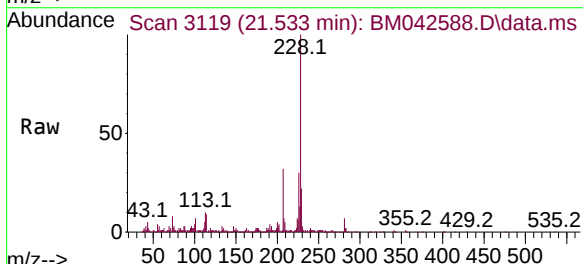
Instrument :
BNA_M
ClientSampleId :
11TH-ST-1

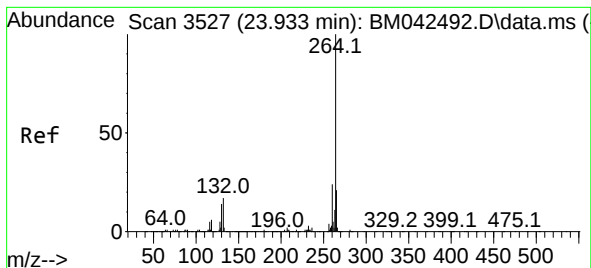
Tgt Ion:228 Resp: 201187
Ion Ratio Lower Upper
228 100
226 28.2 22.3 33.5
229 20.4 15.8 23.8



#83
Chrysene
Concen: 9.981 ng
RT: 21.533 min Scan# 3119
Delta R.T. -0.006 min
Lab File: BM042588.D
Acq: 04 Nov 2023 13:06

Tgt Ion:228 Resp: 170445
Ion Ratio Lower Upper
228 100
226 30.1 24.4 36.6
229 21.6 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.915 min Scan# 3

Delta R.T. -0.000 min

Lab File: BM042588.D

Acq: 04 Nov 2023 13:06

Instrument :

BNA_M

ClientSampleId :

11TH-ST-1

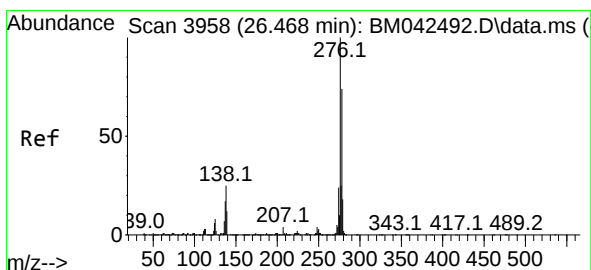
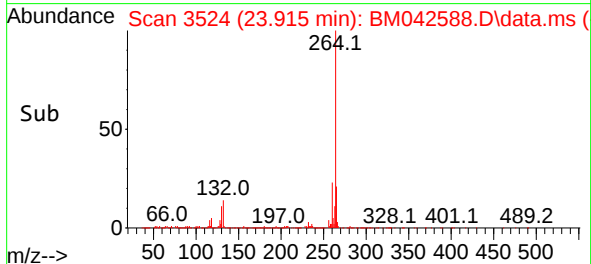
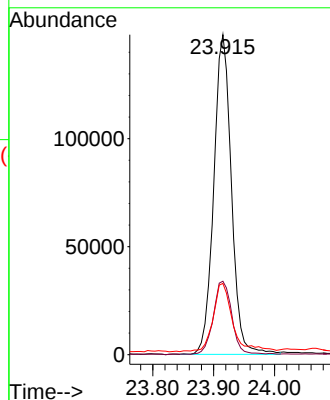
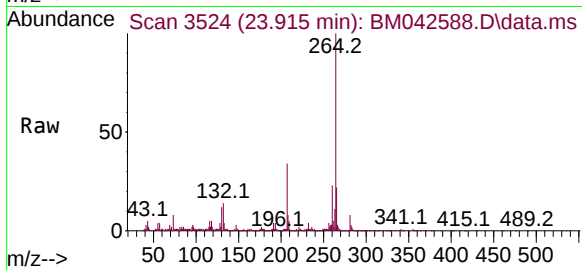
Tgt Ion:264 Resp: 297956

Ion Ratio Lower Upper

264 100

260 23.0 19.0 28.4

265 22.2 18.7 28.1



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.649 ng

RT: 26.433 min Scan# 3952

Delta R.T. -0.018 min

Lab File: BM042588.D

Acq: 04 Nov 2023 13:06

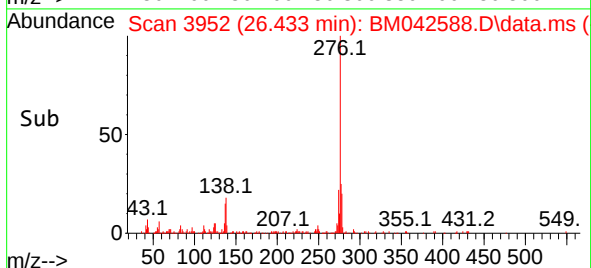
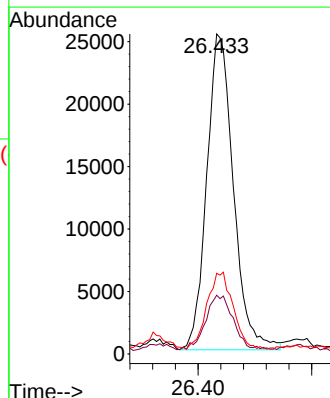
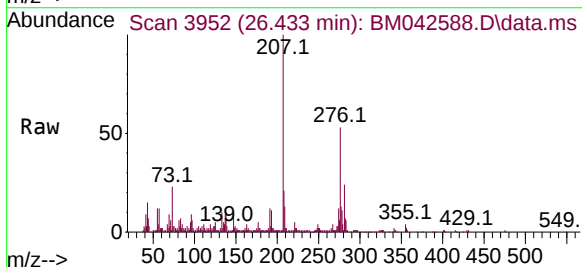
Tgt Ion:276 Resp: 82439

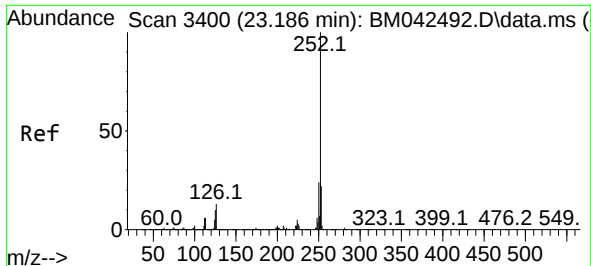
Ion Ratio Lower Upper

276 100

138 17.4 20.6 31.0#

277 23.9 19.5 29.3

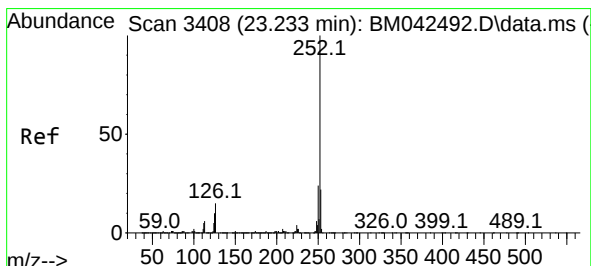
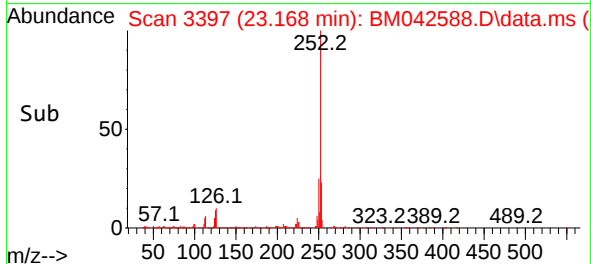
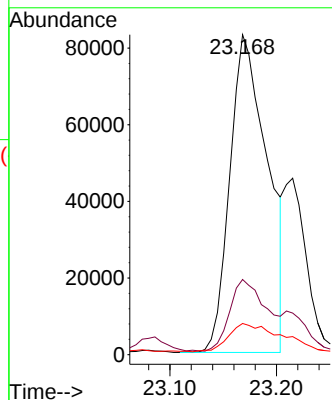
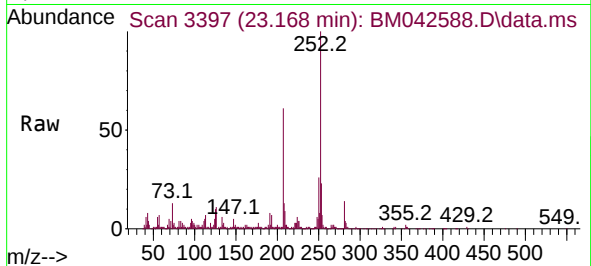




#88
Benzo(b)fluoranthene
Concen: 12.231 ng
RT: 23.168 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM042588.D
Acq: 04 Nov 2023 13:06

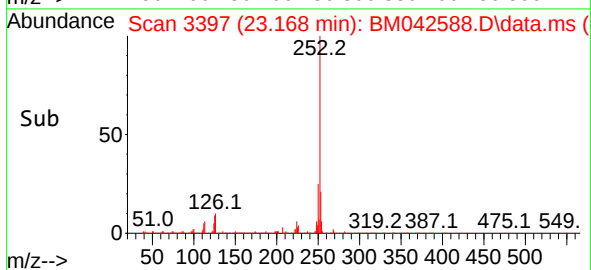
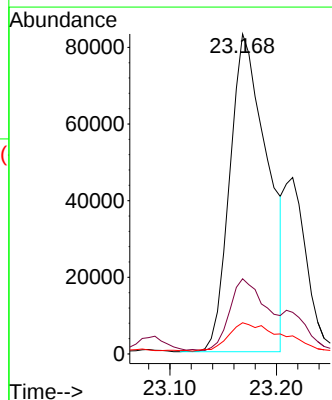
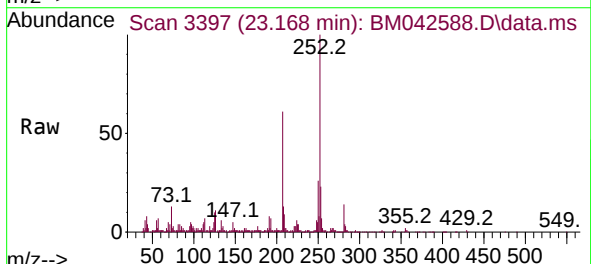
Instrument :
BNA_M
ClientSampleId :
11TH-ST-1

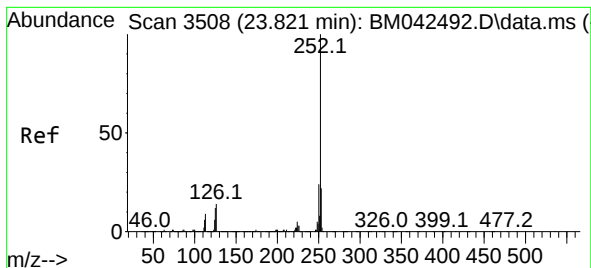
Tgt Ion:252 Resp: 203029
Ion Ratio Lower Upper
252 100
253 23.5 17.5 26.3
125 9.8 7.8 11.6



#89
Benzo(k)fluoranthene
Concen: 10.976 ng
RT: 23.168 min Scan# 3397
Delta R.T. -0.053 min
Lab File: BM042588.D
Acq: 04 Nov 2023 13:06

Tgt Ion:252 Resp: 203029
Ion Ratio Lower Upper
252 100
253 23.5 17.6 26.4
125 9.8 8.2 12.4





#90

Benzo(a)pyrene

Concen: 5.379 ng

RT: 23.698 min Scan# 34

Delta R.T. -0.112 min

Lab File: BM042588.D

Acq: 04 Nov 2023 13:06

Instrument :

BNA_M

ClientSampleId :

11TH-ST-1

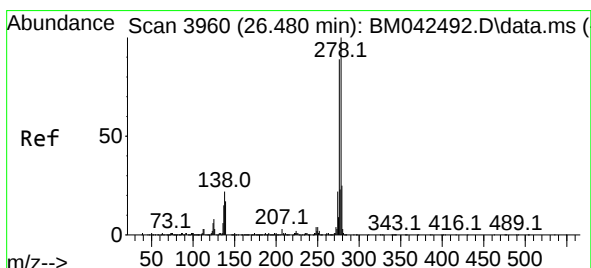
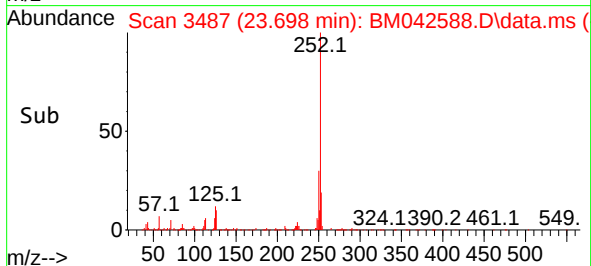
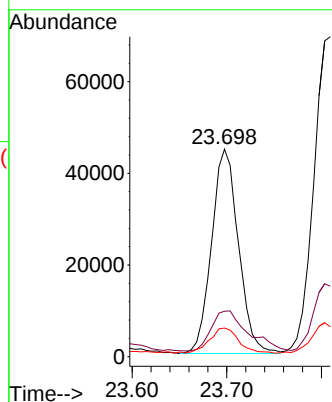
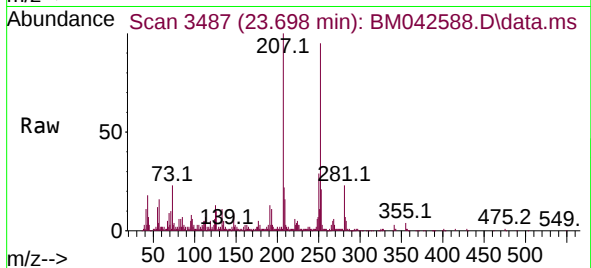
Tgt Ion:252 Resp: 87910

Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

125 13.8 9.4 14.2



#91

Dibenzo(a,h)anthracene

Concen: 5.473 ng

RT: 26.444 min Scan# 3954

Delta R.T. -0.024 min

Lab File: BM042588.D

Acq: 04 Nov 2023 13:06

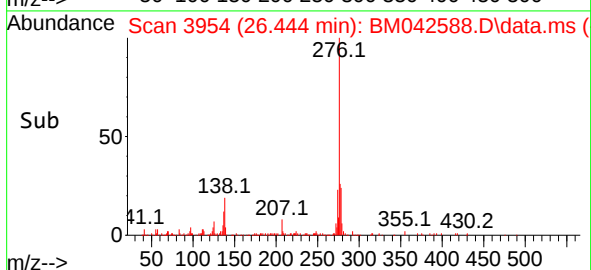
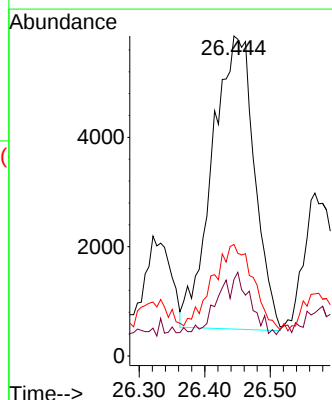
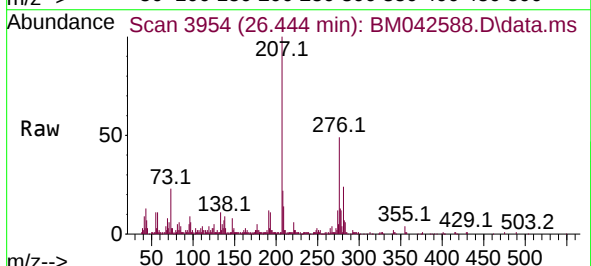
Tgt Ion:278 Resp: 23926

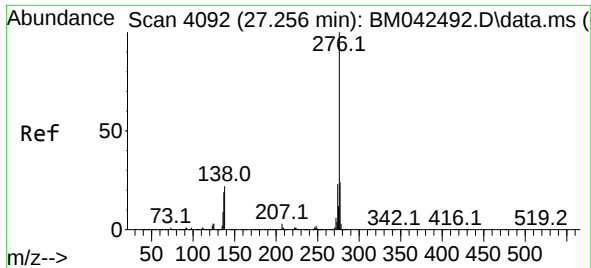
Ion Ratio Lower Upper

278 100

139 23.9 13.4 20.2#

279 34.8 19.7 29.5#





#92

Benzo(g,h,i)perylene

Concen: 4.769 ng

RT: 27.233 min Scan# 40

Delta R.T. -0.012 min

Lab File: BM042588.D

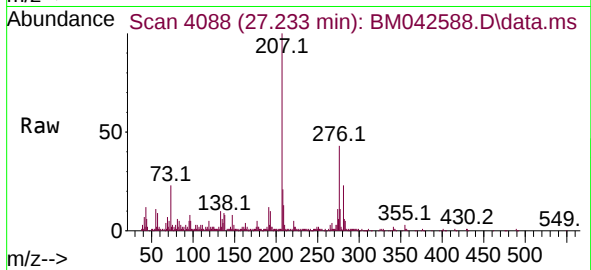
Acq: 04 Nov 2023 13:06

Instrument :

BNA_M

ClientSampleId :

11TH-ST-1



Tgt Ion:276 Resp: 74534

Ion Ratio Lower Upper

276 100

277 25.4 19.2 28.8

138 19.6 17.3 25.9

